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Art Unit No. 2684

LISTING OF CLAIMS

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1. (currently amended) A multi-subscriber network node device for connecting one or more telephone wirelines to one or more wireless connections, each wireless connection for connecting to a wireless device, the network node device comprising:

one or more connections to one or more telephone wirelines for receiving incoming calls each specifying a telephone number;

one or more wireless signal generators supporting one or more direct wireless connections to one or more wireless devices;

one or more controllable interconnections between the telephone wirelines and the wireless signal generators;

means for associating a single called telephone number with at least two wireless devices;

means for alerting the at least two wireless devices associated with the single called telephone number of a first incoming call from an originating device which is not

C1  
Cont.

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one of the at least two wireless devices associated with the single called telephone number;

means for accepting one of said wireless devices as the answerer of said first incoming call to conduct the first incoming call with said wireless device; and

means for transmitting a second incoming call, directed to the same single called telephone number, to one of the other wireless devices associated with that telephone number whilst the first call is in progress.

C1  
Cont.  
2. (original) The device, as in claim 1, containing one or more computational elements that control said controllable interconnections.

3. (original) The device, as in claim 2, wherein said computational elements include one or more processors and one or more storage memory.

4. (original) The device, as in claim 3, wherein the storage memory includes long term storage for information.

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5. (original) The device, as in claim 4, wherein the information stored includes one or more associations of any one or more of the following: one or more phone identifiers, one or more connected wirelines, and one or more telephone services.

6. (original) The device, as in claim 1, further comprising one or more wireline telephony signal generators.

C1  
Cont.  
7. (original) The device of claim 6, where the signal generated by said wireline telephony signal generator are DTMF tones.

8. (original) The device, as in claim 3, wherein the information stored includes a connection process program to control the interconnections of said network node device between one of the telephone wirelines and one or more of the wireless signal generators.

9. (original) The device of claim 1, where the controllable interconnection is non-blocking.

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10. (original) The device of claim 1, where the controllable interconnection is any to any.

11. (original) The device of claim 1, where the interconnection is a bus.

12. (withdrawn) A method of a network node device initiating one or more connections to a wireless device having a phone identifier, the method comprising the steps of:

C1  
Cont. signaling desire for connection to a wireless device identified by the phone identifier on at least one pre established wireless command channel; and

selecting a wireless signaling method to be used between the identified wireless device and the network node device.

13. (withdrawn) The method of claim 12 where the selection of the wireless signaling method includes:

offering, by the network node device, a wireless signaling method to the wireless device.

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14. (withdrawn) The method of claim 12 where the method of the wireless signaling is through a radio transmission having a frequency.

15. (withdrawn) The method of claim 14 where the selection of the wireless signaling method includes selection of the radio frequency.

C1  
Cont  
16. (withdrawn) The method of claim 12 where the wireless signaling method includes encryption and decryption of signals transmitted over said initiated connection.

17. (withdrawn) The method of claim 12 where the selection of wireless signaling method includes:

validating of the wireless signaling method through transmission over the signaling method.

18. (original) The device of claim 1 further comprising:

a power supply, the power supply comprising:

a trickle charger attached to telephone wirelines;

a battery attached to said trickle charger; and

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one or more connections from the battery to  
electrically powered components of the device.

19. (original) The device of claim 1 containing a power supply that has one or more connections to an external power source and a transformer from converting external electrical power supply to a voltage for operating the device.

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Cont.  
20. (original) The device of claim 1 containing a power supply, said power supply comprising:  
one or more solar cells;  
a battery connected to the solar cells; and  
connections from the battery to electrically powered components of the device.

21. (withdrawn) A storage medium containing a computer program to direct a network node device to connect to one or more wireless devices by performing the following program steps:

signaling desire for connection on at least one pre established wireless command channel;

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signaling at least one phone identifier associated with  
at least one wireless device; and

selecting a wireless signaling method to be used  
between the wireless device and the network node device.

22. (previously presented) The device of claim 1  
further comprising:

*C1*  
*Concl.*  
a bridge that bridges signals from multiple wireless  
connections to one or more of the telephone wirelines.

23. (previously presented) A system for providing  
telephone service comprising:

a wireline distribution of telephone signal lines  
proximate to one or more telephone users;

one or more multi-subscriber network node devices of  
claim 1 where the telephone wirelines terminate; and

one or more wireless devices for wireless communication  
with network node devices to establish connections to one or  
more of the telephone signals.

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